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DOCKET NO.: OMOR-0010/Y03S012

PATENT



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

## In Re Application of:

Tomohiro Yamada, Koji Tanaka,

Tsuyoshi Harada

Application No.: 10/530,219

Filing Date: March 31, 2005

For: METHOD AND SYSTEM FOR CREATING A PRODUCT PARTS CATALOG

Confirmation No.: Not Yet Assigned

Group Art Unit: Not Yet Assigned

Examiner: Not Yet Assigned

DATE OF DEPOSIT: June 30, 2005

I HEREBY CERTIFY THAT THIS PAPER IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL, POSTAGE PREPAID, ON THE DATE INDICATED ABOVE AND IS ADDRESSED TO THE UNITED STATES PATENT AND TRADEMARK OFFICE, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450.

TYPED NAME: Wendy A. Choi  
REGISTRATION NO.: 36,697

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

## INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR § 1.56 and in accordance with 37 CFR §§ 1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 CFR § 1.56(b).

- ☒ In accordance with § 1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified

application, within three months of the date of entry into the national stage of the above identified application as set forth in § 1.491, before the mailing date of a first Office Action on the merits of the above-identified application, or before the mailing date of a first Office Action after the filing of request for continued examination under § 1.114, no additional fee is required.

- ☐ In accordance with § 1.97(c), this Information Disclosure Statement is being filed after the period set forth in § 1.97(b) above but before the mailing date of either a Final Action under § 1.116 or a Notice of Allowance under § 1.311, or before an action that otherwise closes prosecution in the application, therefore:

☐ Certification in Accordance with § 1.97(e) is attached; or

☐ The fee of \$180.00 as set forth in § 1.17(p) is attached.

- ☐ In accordance with § 1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under § 1.113 or a Notice of Allowance under § 1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with § 1.97(e); and the submission fee of \$180.00 as set forth in § 1.17(p).

- ☒ Copies of reference numbers **1 thru 10** listed on the attached Form PTO-1449 are enclosed herewith.

- ☐ Copies of reference numbers - on the attached Form PTO 1449 are not required to be submitted pursuant to 37 CFR § 1.98(a)(2)(i).

- ☐ Copies of references - are not being submitted because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application number , filed for

which a claim for priority under 35 U.S.C. § 120 has been made in the instant application.

The following are comments on any non-English-language reference(s) pursuant to Rule 98:

**“Automatic Arrangement of Meta-objects in Assembly Illustrations”, by Katsuma, et al. (Reference 1)** shows a means for automatically arranging lead lines and labels (meta-objects, that is, object attributes or relations among objects) in assembly illustrations. This reference was cited by the Japan Patent Office in the International Search Report dated July 13, 2004 of the present PCT Application No. PCT/JP2004/007718, as pertaining to claim 13 of the present application.

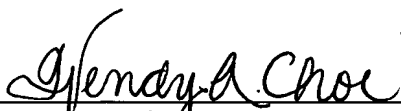
Essentially, the reference shows creating a hexagon along three basic axes of a group of parts, in a disassembly illustration. This hexagon and its axes are used to determine the arrangement directions and regions of the parts labels, in the disassembly illustration. Parts groups having greater numbers of parts are given priority in such determinations.

However, this reference does not show projecting a movement vector from a pre-disassembly position to a post-disassembly position for parts and parts groups, onto a plane perpendicular to a view point vector from a view point, and drawing a lead line for a reference numeral/symbol from a post-movement object along an axis direction of a shorter component of the analyzed vector components constituting such a projected vector, as recited in the claims of the present application.

English language abstracts/translations have been provided for reference(s) **4 thru 10**, which are not in the English language.

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050. This form is submitted in duplicate.

Date: **June 30, 2005**

  
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<b>Form PTO-1449 Modified</b>  List of Patent and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce Patent and Trademark Office		Docket No. <b>OMOR-0010/Y03S012</b>	Application No. <b>10/530,219</b>
		Applicant <b>Tomohiro Yamada, Koji Tanaka, Tsuyoshi Harada</b>	
		Filing Date <b>March 31, 2005</b>	Group <b>Not Yet Assigned</b>
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	<b>1</b>	Katsuma, A. et al., "Automatic Arrangement of Meta-Objects in Assembly Illustrations", <i>Conference for Electrical Information Communication Studies</i> , <b>March 1995</b> , 314	
	<b>2</b>	Mohammad, R. et al., "Automatic Generation of Exploded Views by Graph Transformation", <i>Artificial Intelligence for Applications, Proceedings, Ninth Conference</i> , <b>1993</b> , 368-374	
	<b>3</b>	Qian, W-H. et al., "On the Scenario and Heuristics of Disassemblies", <i>IEEE International Conference</i> , <b>1994</b> , 264-271	
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>	

**Form PTO-1449 Modified**

List of Patent and Publications  
Cited by Applicant  
(Use several sheets if necessary)

U.S. Department of Commerce  
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Docket No.  
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Filing Date  
**March 31, 2005**

Group  
**Not Yet Assigned**

**U. S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Name	Class	Subclass

**FOREIGN PATENT DOCUMENTS**

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO
	4	JP 07-239866	09/12/95	Japan	X	
	5	JP 2001-255926	09/21/01	Japan	X	
	6	JP 2001-312524	11/09/01	Japan	X	
	7	JP 2002-056406	02/22/02	Japan	X	
	8	JP 2002-140371	05/17/02	Japan	X	
	9	JP 2003-006245	01/10/03	Japan	X	
	10	JP 2003-076724	03/14/03	Japan	X	

**EXAMINER****DATE CONSIDERED**